

L Number	Hits	Search Text	DB	Time stamp
1	1	6382757.pn. and noise	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 10:09
103	1597	density near1 dots!	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 10:39
104	1597	density near1 dots!103 and color	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 10:39
105	1597	density near1 dots!103 same color	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 10:39
106	275	(density near1 dots!) same color	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 10:39
107	69	(density near1 dots!) near4 color	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 10:43
108	195	different near1 dot near1 density	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 11:14
109	26	(different near1 dot near1 density) and (error near1 (dispers\$3 or diffus\$3 or spread\$3 or distribut\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 11:14
110	18	((different near1 dot near1 density) and (error near1 (dispers\$3 or diffus\$3 or spread\$3 or distribut\$3))) and (((variable or varying or changing or adaptive\$3) near2 (threshold\$4 or dither\$3)) or ((threshold\$4 or dither\$3) near6 (tone or gradation or color or colorant)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 11:15
111	5	(different near1 dot near1 density) same (error near1 (dispers\$3 or diffus\$3 or spread\$3 or distribut\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 11:14
112	6	(different near1 dot near1 density) same (((variable or varying or changing or adaptive\$3) near2 (threshold\$4 or dither\$3)) or ((threshold\$4 or dither\$3) near6 (tone or gradation or color or colorant)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 11:15
-	2637	358/1.9.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 09:04
-	138370	358/1.9.ccls. or (printer and printing and print)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:49
-	5826	(358/1.9.ccls. or (printer and printing and print)) and ((dots! or pixel or (picture or pictorial) near1 element) or pel) near6 (density or densities!))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:59
-	708	((358/1.9.ccls. or (printer and printing and print)) and ((dots! or pixel or (picture or pictorial) near1 element) or pel) near6 (density or densities!)) and ((threshold\$3 or dither\$3) near6 (density or densities!))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:18

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updated
MMV*

-	2	4841375.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:21
-	645	((358/1.9.ccls. or (printer and printing and print)) and ((dots! or pixel or ((picture or pictorial) near1 element) or pel) near6 (density or densities!))) and ((threshold\$3 or dither\$3) near6 (density or densities!))) and (ink or color or colour or colorant or colorant or colourant or multi\$level or multi\$density or multi\$gradation or (multi adj1 (level or color or density or gradation)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:26
-	645	((358/1.9.ccls. or (printer and printing and print)) and ((dots! or pixel or ((picture or pictorial) near1 element) or pel) near6 (density or densities!))) and ((threshold\$3 or dither\$3) near6 (density or densities!))) and (ink or color or colour or colorant or colorant or colourant or multi\$level or multi\$density or multi\$gradation or (multi adj1 (level or color or density or gradation))) and (threshold\$3 or dither\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:38
-	325	(dot or pixel or ((picture or pictorial) near1 element) or pel) near1 density near4 threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:34
-	16	print\$4 near4 (dot or pixel or ((picture or pictorial) near1 element) or pel) near1 density near4 threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:36
-	35	(print\$4 or output\$3) near4 (dot or pixel or ((picture or pictorial) near1 element) or pel) near1 density near4 threshold	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:36
-	19	((print\$4 or output\$3) near4 (dot or pixel or ((picture or pictorial) near1 element) or pel) near1 density near4 threshold) not (print\$4 near4 (dot or pixel or ((picture or pictorial) near1 element) or pel) near1 density near4 threshold)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:36
-	98	((358/1.9.ccls. or (printer and printing and print)) and ((dots! or pixel or ((picture or pictorial) near1 element) or pel) near6 (density or densities!))) and ((threshold\$3 or dither\$3) near6 (density or densities!))) and (ink or color or colour or colorant or colorant or colourant or multi\$level or multi\$density or multi\$gradation or (multi adj1 (level or color or density or gradation))) and ((variable or varying or changing or adaptive\$3) near3 (threshold\$3 or dither\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:39
-	0	(lookup or look\$up or LUT) near6 ((input or original) near1 density) near6 (ouput near1 density) near6 threshold\$4 near1 table	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:58
-	0	((input or original) near1 density) near6 (ouput near1 density) near6 threshold\$4 near1 (lookup or look\$up or LUT or table)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 10:59
-	978	threshold\$4 near1 (lookup or look\$up or LUT or table)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 11:23

-	87	(threshold\$4 near1 (lookup or look\$up or LUT or table)) and ((dots! or pixel or ((picture or pictorial) near1 element) or pel) near6 (density or densities!))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 11:29
-	1813	threshold\$4 near1 (lookup or look\$up or LUT or table or curve)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:22
-	204	(different or plurality) near3 (density or densities!) near1 dots!	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:41
-	94	(((((358/1.9.ccls. or (printer and printing and print)) and ((dots! or pixel or ((picture or pictorial) near1 element) or pel) near6 (density or densities!))) and ((threshold\$3 or dither\$3) near6 (density or densities!))) and (ink or color or colour or colorant or colorant or colourant or multi\$level or multi\$density or multi\$gradation or (multi adj1 (level or color or density or gradation)))) and ((variable or varying or changing or adaptive\$3) near3 (threshold\$3 or dither\$3))) and threshold\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:23
-	18017	((variable or varying or changing or adaptive\$3) near3 (threshold\$3 or dither\$3)) and threshold\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:24
-	7	((different or plurality) near3 (density or densities!) near1 dots!) and (((variable or varying or changing or adaptive\$3) near3 (threshold\$3 or dither\$3)) and threshold\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:26
-	2	5509085.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:27
-	2	5600764.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:28
-	2	5553166.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:29
-	2	5795082.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:30
-	2	6089691.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:31
-	2	6031627.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:33
-	2	6215561.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:35
-	2	6099105.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:36
-	2	6328400.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:37

-	3	6203134.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:38
-	2	6356358.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:39
-	2	6031627.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:40
-	2	6215561.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:40
-	2	6099105.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:41
-	2	6328400.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:41
-	2	6655784.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:43
-	4	6602003.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:44
-	2	6637850.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:45
-	2	6545770.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:45
-	2	6543870.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:46
-	2	6592212.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:47
-	2	6382757.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:48
-	3	6439682.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:49
-	2	6356358.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:49

-	32	(US-4841375-\$ or US-4339774-\$ or US-4958239-\$ or US-5173950-\$ or US-6538768-\$ or US-6443548-\$ or US-6312101-\$ or US-6269178-\$ or US-6108450-\$ or US-5896464-\$ or US-5509085-\$ or US-5600764-\$ or US-5553166-\$ or US-5795082-\$ or US-6089691-\$ or US-6031627-\$ or US-6215561-\$ or US-6099105-\$ or US-6328400-\$ or US-6203134-\$ or US-6356358-\$ or US-6655784-\$ or US-6602003-\$ or US-6637850-\$ or US-6545770-\$ or US-6543870-\$).did. or (US-6382757-\$ or US-6439682-\$).did. or (JP-61142427-\$).did. or (GB-2334124-\$ or EP-476220-\$ or JP-04260276-\$).did.	USPAT; JPO; DERWENT	2004/01/28 14:50
-	21	((US-4841375-\$ or US-4339774-\$ or US-4958239-\$ or US-5173950-\$ or US-6538768-\$ or US-6443548-\$ or US-6312101-\$ or US-6269178-\$ or US-6108450-\$ or US-5896464-\$ or US-5509085-\$ or US-5600764-\$ or US-5553166-\$ or US-5795082-\$ or US-6089691-\$ or US-6031627-\$ or US-6215561-\$ or US-6099105-\$ or US-6328400-\$ or US-6203134-\$ or US-6356358-\$ or US-6655784-\$ or US-6602003-\$ or US-6637850-\$ or US-6545770-\$ or US-6543870-\$).did. or (US-6382757-\$ or US-6439682-\$).did. or (JP-61142427-\$).did. or (GB-2334124-\$ or EP-476220-\$ or JP-04260276-\$).did.) and (threshold\$3 or dither\$3).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:51
-	0	((US-4841375-\$ or US-4339774-\$ or US-4958239-\$ or US-5173950-\$ or US-6538768-\$ or US-6443548-\$ or US-6312101-\$ or US-6269178-\$ or US-6108450-\$ or US-5896464-\$ or US-5509085-\$ or US-5600764-\$ or US-5553166-\$ or US-5795082-\$ or US-6089691-\$ or US-6031627-\$ or US-6215561-\$ or US-6099105-\$ or US-6328400-\$ or US-6203134-\$ or US-6356358-\$ or US-6655784-\$ or US-6602003-\$ or US-6637850-\$ or US-6545770-\$ or US-6543870-\$).did. or (US-6382757-\$ or US-6439682-\$).did. or (JP-61142427-\$).did. or (GB-2334124-\$ or EP-476220-\$ or JP-04260276-\$).did.) and ((threshold\$3 or dither\$3) and input and head and tone and on\$off and dot and unit and N and densities!).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:52
-	0	((US-4841375-\$ or US-4339774-\$ or US-4958239-\$ or US-5173950-\$ or US-6538768-\$ or US-6443548-\$ or US-6312101-\$ or US-6269178-\$ or US-6108450-\$ or US-5896464-\$ or US-5509085-\$ or US-5600764-\$ or US-5553166-\$ or US-5795082-\$ or US-6089691-\$ or US-6031627-\$ or US-6215561-\$ or US-6099105-\$ or US-6328400-\$ or US-6203134-\$ or US-6356358-\$ or US-6655784-\$ or US-6602003-\$ or US-6637850-\$ or US-6545770-\$ or US-6543870-\$).did. or (US-6382757-\$ or US-6439682-\$).did. or (JP-61142427-\$).did. or (GB-2334124-\$ or EP-476220-\$ or JP-04260276-\$).did.) and ((threshold\$3 or dither\$3) and input and head and tone and on\$off and dot and unit and N and density).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 14:52

-	0	((US-4841375-\$ or US-4339774-\$ or US-4958239-\$ or US-5173950-\$ or US-6538768-\$ or US-6443548-\$ or US-6312101-\$ or US-6269178-\$ or US-6108450-\$ or US-5896464-\$ or US-5509085-\$ or US-5600764-\$ or US-5553166-\$ or US-5795082-\$ or US-6089691-\$ or US-6031627-\$ or US-6215561-\$ or US-6099105-\$ or US-6328400-\$ or US-6203134-\$ or US-6356358-\$ or US-6655784-\$ or US-6602003-\$ or US-6637850-\$ or US-6545770-\$ or US-6543870-\$).did. or (US-6382757-\$ or US-6439682-\$).did. or (JP-61142427-\$).did. or (GB-2334124-\$ or EP-476220-\$ or JP-04260276-\$).did.) and ((threshold\$3 or dither\$3) and input and head and tone and on\$off and dot and unit and (density or densities!)) and noise).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 15:29
-	2	((US-4841375-\$ or US-4339774-\$ or US-4958239-\$ or US-5173950-\$ or US-6538768-\$ or US-6443548-\$ or US-6312101-\$ or US-6269178-\$ or US-6108450-\$ or US-5896464-\$ or US-5509085-\$ or US-5600764-\$ or US-5553166-\$ or US-5795082-\$ or US-6089691-\$ or US-6031627-\$ or US-6215561-\$ or US-6099105-\$ or US-6328400-\$ or US-6203134-\$ or US-6356358-\$ or US-6655784-\$ or US-6602003-\$ or US-6637850-\$ or US-6545770-\$ or US-6543870-\$).did. or (US-6382757-\$ or US-6439682-\$).did. or (JP-61142427-\$).did. or (GB-2334124-\$ or EP-476220-\$ or JP-04260276-\$).did.) and ((threshold\$3 or dither\$3) and input and head and tone and on\$off and dot and unit and (density or densities!)).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 15:28
-	2	((US-4841375-\$ or US-4339774-\$ or US-4958239-\$ or US-5173950-\$ or US-6538768-\$ or US-6443548-\$ or US-6312101-\$ or US-6269178-\$ or US-6108450-\$ or US-5896464-\$ or US-5509085-\$ or US-5600764-\$ or US-5553166-\$ or US-5795082-\$ or US-6089691-\$ or US-6031627-\$ or US-6215561-\$ or US-6099105-\$ or US-6328400-\$ or US-6203134-\$ or US-6356358-\$ or US-6655784-\$ or US-6602003-\$ or US-6637850-\$ or US-6545770-\$ or US-6543870-\$).did. or (US-6382757-\$ or US-6439682-\$).did. or (JP-61142427-\$).did. or (GB-2334124-\$ or EP-476220-\$ or JP-04260276-\$).did.) and ((threshold\$3 or dither\$3) and input and head and tone and on\$off and dot and unit and (density or densities!)).clm.) and noise	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 15:29

-	0	((US-4841375-\$ or US-4339774-\$ or US-4958239-\$ or US-5173950-\$ or US-6538768-\$ or US-6443548-\$ or US-6312101-\$ or US-6269178-\$ or US-6108450-\$ or US-5896464-\$ or US-5509085-\$ or US-5600764-\$ or US-5553166-\$ or US-5795082-\$ or US-6089691-\$ or US-6031627-\$ or US-6215561-\$ or US-6099105-\$ or US-6328400-\$ or US-6203134-\$ or US-6356358-\$ or US-6655784-\$ or US-6602003-\$ or US-6637850-\$ or US-6545770-\$ or US-6543870-\$).did. or (US-6382757-\$ or US-6439682-\$).did. or (JP-61142427-\$).did. or (GB-2334124-\$ or EP-476220-\$ or JP-04260276-\$).did.) and ((threshold\$3 or dither\$3) and input and head and tone and on\$off and dot and unit and (density or densities!) and mask).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 15:30
-	2	((US-4841375-\$ or US-4339774-\$ or US-4958239-\$ or US-5173950-\$ or US-6538768-\$ or US-6443548-\$ or US-6312101-\$ or US-6269178-\$ or US-6108450-\$ or US-5896464-\$ or US-5509085-\$ or US-5600764-\$ or US-5553166-\$ or US-5795082-\$ or US-6089691-\$ or US-6031627-\$ or US-6215561-\$ or US-6099105-\$ or US-6328400-\$ or US-6203134-\$ or US-6356358-\$ or US-6655784-\$ or US-6602003-\$ or US-6637850-\$ or US-6545770-\$ or US-6543870-\$).did. or (US-6382757-\$ or US-6439682-\$).did. or (JP-61142427-\$).did. or (GB-2334124-\$ or EP-476220-\$ or JP-04260276-\$).did.) and ((threshold\$3 or dither\$3) and input and head and tone and on\$off and dot and unit and (density or densities!) and dither).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/28 15:30
-	1	6382757.pn. and (error near1 diffusion)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 09:04
-	1	6382757.pn. and (error near1 diffusion).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 09:07
-	1	6382757.pn. and (threshold or dither).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/29 10:08

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L1 (different or chang\$4 or varying or adaptive\$2 or variable) near2
(((density or densities!) near1 (dot or pixel or ((picture or
pictorial) near1 element) or pel)) or dpi)

L2 (((variable or varying or changing or adaptive\$3) near1
(threshold\$4 or dither\$3)) or (tone near1 curve) or (threshold near1
table) or (threshold near1 table) or (threshold near2 memory)) near6
(input near1 (tone or gradation or color or ink or colorant or
colourant or colour))

L3 (error near1 (diffusion or dispersion or spreading or
distribution))

L4 L1 and L2 and L3 and L4

L5 L1 same L2 same L3 same L4

L6 Toshiaki, Kakutani (inventor)

ABSTRACT

A printer-system for printing or recording images using a plurality
of dots having different densities. The printer system includes a
head for producing at least 2 different types of dots having

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